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L3: Entry 1 of 1

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Jan 31, 2002

DERWENT-ACC-NO: 2002-243216

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TITLE: Conversion and control device for evaporating fluid petrol has layer of densely arranged metal wires to divide air forced into petrol into evenly distributed bubbles

PATENT-ASSIGNEE: LU K (LUKKI)

PRIORITY-DATA: 2001DE-2018966 (November 21, 2001)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> DE 20118966 U1	January 31, 2002		014	B01D001/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 20118966U1	November 21, 2001	2001DE-2018966	

INT-CL (IPC): B01 D 1/00; F23 D 11/44

ABSTRACTED-PUB-NO: DE 20118966U

BASIC-ABSTRACT:

NOVELTY - The conversion and control device has a sealed container (1). An air pump (2) is provided on the outside of the housing. An air inlet device (3), an air outlet device (4), an automatic pressure regulator (5) and a petrol conduit are mounted on the housing. The pump and the inlet device are connected together.

DETAILED DESCRIPTION - The inlet device has a one way return valve to prevent the petrol flowing back into the container. The airline (32) is connected to the return valve and is located inside the sealed container. The air outlet head (33) is at the end of the line spaced from the bottom of the container. The lower edge of the air outlet head has a release opening. The outlet head has a layer of densely arranged metal wires to generate evenly distributed bubbles of forced out air. The pressure regulator has a pressure valve and a microswitch which ensure a pressure in the container to come directly into contact with the switch so as to set the pump into operation.

USE - Petrol evaporator for use in combustion engines.

ADVANTAGE - The device is user friendly and is safe. The evaporation process is closely controlled.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic view of the device.

Container 1

Air pump 2

Petrol inlet 3

Petrol outlet 4

Pressure regulator 5

Petrol line 6

Connector line 21

Air line 32

Air outlet head 33

ABSTRACTED-PUB-NO: DE 20118966U

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/7

DERWENT-CLASS: Q73 V06

EPI-CODES: V06-M20;